Practitioner's Docket No. 907-153	PATENT
COMBINED DECLARATION AND	POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF CONTINUATION C	
As a below named inventor, I hereby declare t	hat:
TYPE OF DECLA	ARATION
This declaration is of the following type:	
(check one applicable	e item below)
🛛 original.	
design.	
supplemental.	
NOTE: If the declaration is for an International Application continuation-in-part application, do not check nex	•
national stage of PCT.	
NOTE: If one of the following 3 items apply, then complete CONTINUATION OR C-I-P.	e and also attach ADDED PAGES FOR DIVISIONAL,
☐ divisional.	
☐ continuation.	
continuation-in-part (C-I-P).	

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

A TELECOMMUNICATIONS SYSTEM FOR PROVIDING BOTH NARROWBAND AND BROADBAND

SERVICES TO SUBSCRIBERS; SUBSCRIBER EQUIPMENT; A SHELF THEREFOR; A REPLACEABLE LOWPASS FILTER UNIT; LINE TERMINATION EQUIPMENT; NETWORK TERMINATION EQUIPMENT; AND A TELECOMMUNICATIONS RACK WITH A PLURALITY OF SHELVES HAVING A REDUNDANCY FEATURE

(Declaration and Power of Attorney [1-1]-page 1 of 7)

SPECIFICATION IDENTIFICATION

the specification of which:	
	(complete (a), (b) or (c))
(a) is attached hereto.	
NOTE: "The following combination	ns of information supplied in an oa

"The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) ∩ame of inventor(s), and attorney docket number which was on the specification as filed; or

"(3) name of inventor(s), and title which was on the specification as filed." Notice of July 13, 1995 (1177 O.G. 60).

(b) 🗓 was filed on July 10, 1997 , as 🖺 Serial No. 08 / 891,145 or 🗌 _____ and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g.,08/123,456);

- "(2) name of inventor(s), serial number and filing date;
- "(3) name of inventor(s) and attorney docket number which was on the specification as filed;
- "(4) name of inventor(s), title which was on the specification as filed and filing date;
- "(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g.,08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

Notice of July 13, 1995 (1177 O.G. 60).

(c)	was	described	and	claimed	in	PCT	International	Application	ı No.
				, file	d or	n		a	nd as
	amer	nded under F	CT A	rticle 19 or	1			(if anv)	_

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) \(\subseteq \) no such applications have been filed.
- (e) such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 37	
			☐ YES	NO 🗆
			☐ YES	№ □
			☐ YES	NO 🗆
			☐ YES	NO 🗆
			☐ YES	NO 🗆
I hereby claim	(34 U.S.C.) the benefit under Title 35, the all application(s) listed below:	§ 119(e)) United States Code.		
	APPLICATION NUMBER		FILING D	ATE
/				

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.

	IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THIS U.S. APPLICATION
the basis for this application entering to divisional, or continuation-in-part, then	onths from the filing date of this application is a PCT filing forming the United States as (1) the national stage, or (2) a continuation, a also complete ADDED PAGES TO COMBINED DECLARATION VISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit) under 35 U.S.C. § 120.
POWEI	R OF ATTORNEY
I hereby appoint the following practical business in the Patent and Tradem	tioner(s) to prosecute this application and transact ark Office connected therewith.
Robert H. Ware, Reg. No. 18,17 K. Bradford Adolphson, Reg. No. Peter H. Van Winkle, Reg. No. James R. Frederick, Reg. No. 2	Ind registration number) 79; Alfred A. Fressola, Reg. No. 27,550; D. 30,927; Francis J. Maguire, Reg. No. 31,391; 36,039; Garold E. Bramblett, Reg. No. 19,119; 25,865; William J. Barber, Reg. No. 32,720; 786; James A. Retter, Reg. No. 41,266; Nowing Item, if applicable Milton M. Oliver, Reg. No. 28,333
* * * * * * * * * * * * * * * * * * * *	ioner(s) associated with the Customer Number pro- this application and to transact all business in the ce connected therewith.
	claration and power of attorney, is the authorization tioner(s) to accept and follow instructions from my
SEND CORRESPONDENCE TO Francis J. Maguire	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
☒ AddressWare, Fressola, Van Der Sluys¾ Adolphson LLP	Francis J. Maguire (203) 261-1234
755 Main Street, P.O. Box 224 Monroe, Connecticut 06468	
Customer Number 0049	55

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

MOTE: Carafully indicate the family (as to st

documents.	ne rainily (or last) name, as it should app	ear on the filing receipt and all other
Full name of sole or fir	rst inventor	
Richard	М.	Czerwiec
(GIVEN NAME)	MIDDLE INITIAL OR NAME)	. FAMILY (OR LAST NAME)
Inventor's signature _/	Cutat M. (Jan	سحن
Date <u> </u>	97 Country of Citizenship	u.s.A.
Residence Raleigh,	North Carolina	
Post Office Address	1812 Bonnibee Court	
	Raleigh, North Carolina 2	7612

Joseph	E.	Sutherland			
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)			
Inventor's signature 10-36/h / // // // //					
Date <u>MW, 4, 199</u>	Country of Citizenship	J.S.A.			
Residence <u>Raleigh</u>	North Carolina				
Post Office Address _	5405 Thayer Drive				
	Raleigh, North Carolina 2	7612			

ruii name or third joint inventor, if any				
M.L.	Schepers			
(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)			
- Peter Mathis Convard	5 hepers			
1938 Country of Citizenship Bel	gium			
, Belgium				
Post Office Address Kloosterstraat 53				
2880 Bornem, Belgium				
	M.L. (MIDDLE INITIAL OR NAME) Peter Mathys Legnard 1938 Country of Citizenship Bel , Belgium Kloosterstraat 53			

(check proper box(es) for any of the following added page(s) that form a part of this declaration)

X	Signature for fourth and subsequent joint inventors. Number of pages added _six_(6)		
	* * *		
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added		
	* * *		
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added		
	* * *		
	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)		
	* * *		
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application. □ Number of pages added		
	• • •		
	Authorization of practitioner(s) to accept and follow instructions from representative.		
	• • •		
	lif no further pages forms a part of this Declaration		
	(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)		
	☐ This declaration ends with this page.		

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joi	nt inventor, it any					
Geert	A.E.	Van Wonterghem				
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)				
	nventor's signature Geart Arthus Edich us Wanterjhem					
Date <u> </u>	Country of Citizenship B	elgium				
Residence <u>Eeklo,</u>	Belgium					
Post Office Address _	Stationsstraat 18					
	B9900 Eeklo, Belgium					
Full name of fifth joint	inventor, if any					
Marlin		Simmering				
GIVEN NAME	V. MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)				
Inventor's signature	Marki / Summy	<u> </u>				
Date No / 4, /	797 Country of Citizenship	.S.A.				
Residence <u>Clayton</u>	, North Carolina					
Post Office Address 120 Two Does Lane						
	Clayton, North Carolina 2752	20				
Full name of sixth joir	nt inventor, if any					
Eduard	C.M.	Boeykens				
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)				
Inventor's signature	Eduard Christian Th	eria Boukens				
Date Joh 22, 1498 Country of Citizenship Belgium						
Residence Bornem, Belgium						
Post Office Address _	Victor De Witstraat 49					
	2880 Bornem, Belgium					

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

seventh Full name of joint inventor, if any	
Chris	Van Der Auwera
GIVEN NAME MIDDLE INITIAL OR N Inventor's signature	
Date Jan. 22, 1998 Country of Cit	
Residence Mechelen, Belgium	
Post Office Address <u>Boomgaardstraat 17</u>	
B-2800 Mechelen, Be	lgium
National agreement	
Full name of joint inventor, if any	
Peter A.R.	Van Rompu
GIVEN NAME MIDDLE INITIAL OR	
Inventor's signature totes Alam Richar	d Van Rompin
Date Jan. 22, 1998 Country of Ci	tizenship Belgium
Residence <u>Puurs</u> , <u>Belgium</u>	
Post Office Address <u>Donkstraat 85A</u>	
B-2870 Puurs, Belgi	
2 Paralles Marie Control	r
Full name of inth joint inventor, if any	-
Kurt	Pynaert
GIVEN NAME MIDDLE INITIAL OR	NAME FAMILY (OR LAST NAME)
Inventor's signature Kust Pynce	t
Date bu 29, 1998 Country of C	itizenship Belgium
Residence Oost-Vlaanderen, Belgium	
Post Office Address Kerkwegel 12b, 923) Wetteren
Oost-Vlaanderen, B	

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	GNATURE BY FOURTH AND S	
Full name of tenth joint		77 7
Daniel GIVEN NAME	A.C. MIDDLE INITIAL OR NAME	Verly FAMILY (OR LAST NAME)
		•
	Daniel Alas com	4
	Country of Citizenship	Belgium
Residence St. Nik	laas, Belgium	
Post Office Address	Th. Ellegierslaan, 38	
	9100 St. Niklaas, Belgium	
eleven+h	p/fical/fical/fical/fical	
Full name of joint i	inventor, if any	
Gilbert	A.F. MIDDLE INITIAL OR NAME	Van Campenhout
GIVEN NAME	A.F. MIDDLE INITIAL OR NAME Girbert Affors François	FAMILY (OR LAST NAME
Inventor's signature	Sirvere Alfons mangous	i fün Campenhai
Date Jun XX / 90	Country of Citizenship.	Belgium '
Residence Hoboken	, Belgium	
Post Office Address	Lissabonstraat 14	
	2660 Hoboken, Belgium	
Full name of joint	t inventor if any	
Richard	unversor, it any	Pailon
	A MIDRLE INITIAL OR NAME	FAMILY (OF LAST NAME
Inventor's signature	Richard H. Burley	
Data 11-4-97	~	II S A
Date II I Daloi	Country of Circzenship gh, North Carolina	U.U.M.
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Post Office Address _	7822 Vauxhill Drive	7675
	Raleigh, North Carolina 2	(612)

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	ENATURE BY FOURTH AND S	
		obsequent invento
Full name of joint	inventor, if any	
Robert	N.L.	Peschi
GIVEN NAME	*	FAMILY (OF LAST NAME
Inventor's signature	Keveit 9 100 Year	y bracket
Date Tuiss	Country of Citizenship _	Belgium
Residence Brussels	-	
	Rue Aime Smekens 71/2	
	3-1030 Erussels, Belgium	
Full name of fourteenth	nventor, if any	
Dirk	M.J.	Van Aken
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAM
	obrik marks his	1. the 1.5 mg
Inventor's signature		
Inventor's signature	Country of Citizenship	Belgium
Date Brussels	Country of Citizenship.	Belgium
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Residence Brussels Post Office Address John Brull name of Joint Emmanuel	Country of Citizenship . Belgium Chann Sebastian Bachlaan Notation -1083 Brussels, Belgium Inventor, if any F.	Borowski
Residence Brussels Post Office Address Jo B Full name of fifteenth joint Emmanuel GIVEN NAME	Country of Citizenship. Belgium Chann Sebastian Bachlaan No 1083 Brussels, Belgium Inventor, if any F. MIDDLE INITIAL OR NAME	Borowski FAMILY (OR LAST NAM
Residence Brussels Post Office Address John Brull name of Fifteenth Full name of Joint Emmanuel GIVEN NAME Inventor's signature	Country of Citizenship Belgium Chann Sebastian Bachlaan No 1083 Brussels, Belgium Inventor, if any F. MIDDLE INITIAL OR NAME E. AM. LINE (Fra.c.)	Borowski FAMILY (OR LAST NAM
Residence Brussels Post Office Address John Brull name of Fifteenth Full name of Joint Emmanuel GIVEN NAME Inventor's signature	Country of Citizenship. Belgium Chann Sebastian Bachlaan No 1083 Brussels, Belgium Inventor, if any F. MIDDLE INITIAL OR NAME	Borowski FAMILY (OR LAST NAM

Antwerp, Belgium

2180 Antwerpen, Belgium

Practitioner's Docket No. 907-153

Inventor's signature_

Date ____Jan.22,1998

Residence Antwerpen, Belgium

Post Office Address <u>Oudstrijderslei 40</u>

Country of Citizenship Belgium

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	TO COMBINED DECLARATION NATURE BY FOURTH AND SU	
		DBBQOERT INVERTO
Full name of joint		m
Koen	A.G.	De Wulf
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAMI
	Kern Andriese Geder e. 1	
	Country of Citizenship _	
Residence <u>Steenokke</u> r	rzeel, Belgium	
Post Office Address <u>Bre</u>	eughelstraat 5	······································
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Post Office Address <u>Bro</u>	eughelstraat 5 20 Steenokkerzeel, Belgium	······································
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Full name of joint in GIVEN NAME Inventor's signature Residence Post Office Address Full name of joint in GIVEN NAME Inventor's signature	ventor, if any Country of Citizenship NUMBER INITIAL OR NAME	FAMILY (OR LAST NAM

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, WE, RICHARD M. CZERWIEC, a citizen of the United States of America and residing at 1812 Bonnibee Court, Raleigh, North Carolina 27612; JOSEPH E. SUTHERLAND, a citizen of the United States of America and residing at 5405 Thayer Drive, Raleigh, North Carolina 27612; PETER M.L. SCHEPERS, a citizen of Belgium and residing at Kloosterstraat 53, 2880 Bornem, Belgium; GEERT A.E. VAN WONTERGHEM, a citizen of Belgium and residing at Stationsstraat 18, B9900 Eeklo, Belgium; MARLIN V. SIMMERING, a citizen of the United States of America and residing at 120 Two Does Lane, Clayton, North Carolina 27520; EDUARD C.M. BOEYKENS, a citizen of Belgium and residing at Victor De Witstraat 49, 2880 Bornem, Belgium; CHRIS VAN DER AUWERA, a citizen of Belgium and residing at Boomgaardstraat 17, B-2800 Mechelen, Belgium; PETER A.R. VAN ROMPU, a citizen of Belgium and residing at Donkstraat 85A, B-2870 Puurs, Belgium; KURT PYNAERT, a citizen of Belgium and residing at Kerkwegel 12b, 9230 Wetteren, Oost-Vlaanderen, Belgium; DANIEL A.C. VERLY, a citizen of Belgium and residing at Th. Ellegierslaan, 38, 9100 St. Niklaas, Belgium; GILBERT A.F. VAN CAMPENHOUT, a citizen of Belgium and residing at Lissabonstraat 14, 2660 Hoboken, Belgium; RICHARD H. BAILEY, a citizen of the United States of America and residing at 7822 Vauxhill Drive, Raleigh, North Carolina 27615; ROBERT N.L. PESCHI, a citizen of Belgium and residing at Rue Aime Smekens 71/2, B-1030 Brussels, Belgium; DIRK M.J. VAN AKEN, a citizen of Belgium and residing at Johann Sebastian Bachlaan No: 12 Mailbox: 2, B-1083 Brussels, Belgium; EMMANUEL F. BOROWSKI, a citizen of Belgium and residing at Schommenstraat 17a, 2250 Olen, Antwerp, Belgium; PETER P.F. REUSENS, a citizen of Belgium and residing at Warande 121, B-9270 Laarne, Belgium; HERMAN L.R. VERBUEKEN, a citizen of Belgium and residing at Jules Van Beylenstraat 21, B-2140 Borgerhout, Belgium; FRANK RYCKEBUSCH, a citizen of Belgium

and residing at Oudstrijderslei 40, 2180 Antwerpen, Belgium; and KOEN A.G. DE WULF, a citizen of Belgium and residing at Breughelstraat 5, 1820 Steenokkerzeel, Belgium, hereby sell, assign and transfer to ALCATEL ALSTHOM COMPAGNIE GÉNÉRALE D'ELECTRICITÉ, a corporation duly organized and existing under the laws of France, and having a principal place of business at 54, rue La Boétie, 75008 Paris, France, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in A TELECOMMUNICATIONS SYSTEM FOR PROVIDING BOTH NARROWBAND AND BROADBAND SERVICES TO SUBSCRIBERS; SUBSCRIBER EQUIPMENT; A SHELF THEREFOR; A REPLACEABLE LOWPASS FILTER UNIT; LINE TERMINATION EQUIPMENT; NETWORK TERMINATION EQUIPMENT; AND A TELECOMMUNICATIONS RACK WITH A PLURALITY OF SHELVES HAVING A REDUNDANCY FEATURE, which is described in an application for Letters Patent of the United States, Serial No. 08/891,145, filed July 10, 1997; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and

claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

	Signed at	Rokugh	NC		this	44
day	of Novemb	dir , 1	.997.	<i>[</i>		•
			The	lef 1	1. Jeme	-
			Rich	ard M. Cz	erwiec	

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness Mach | Sept. 1997

Witness Mach | Summary Date Nov 4, 1997

Signed/at Revenues, 1997.
Jøseph E. Sutherland
Jøseph Æ. Sucherland
Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.
Witness Pull My Date Nov. 4, 1987
Witness March / Smany Date Nov 4, 1917
Signed at this this this day of, 1993.
Peter M.L. Schepers
Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.
Witness Great France Stick was western. Date Jan. 22, 1998
Witness Eduard Christman Maria Date Jan 22, 1998 Pocky hens

Signed at	Antwerp	this 22nd
day of _{_January} _	, 199 ₈ .	
	<u></u> Geert	ert Arthur Edith Von Wenterghem
	resence and acknowle (invention) herein	edged to be an assignment of above referred to.
Witness <u>Kauad</u>	Phristian Havia Boeykeus	Date Jan.22,1998
G Witness Peter U	Thethijs Leonard Schepers	Date Jan.22,1998
Signed at day of Nov	Rafrigh NC , 1997.	this Ath
Signed in our p	presence and acknowle n (invention) herein	edged to be an assignment of above referred to.
Witness (6)	13 July 12	Date 1/4-1/- 4,1977
Witness / Lele	of Mr. Jene	Date Nov - 4, 1997

	Signed at	Antwerp	this22nd
	day of <u>January</u>	, 1993.	
		Educid Chri Eduard C.M.	stoan Marion Bueykurs Boeykens
		sence and acknowledged to invention) herein above re	
.: ====	Witness Gerry Artin	ur Ediffi ten Wenterghem Date	Jan.22,1998
	Witness <u>(mmared</u>	from Bergwill Date	Jan.22,1998
5	Signed at		this22nd
The first first first first first	,		r Auwera
in Philippin		sence and acknowledged to invention) herein above r	
	Witness <u>Adaptives</u>	- Mivio Divino Date	Jan.22,1998
	Witness Rita Mar	uc Victor Keileman Date	Jan.22,1998

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Signed at $_$	Antwerp		this	22nd
day of January	, 1998.			
	Peter A	A.R. Van Rompi	Alaic	. Richard Ven Rompu
	resence and acknowledd (invention) herein ak			ment of
Witness Hobj	ct Christian Marie	DateJan.22.	1998	
	Adelen			
Witness Heile	ens Heiro Menand	Date Jan.22	1998	
Signed at _	Antwerp		this	22nd
day of	, 199 ₈ .			
	Kort	Pynsert ynaert		
	Kurt P	ynaert		
	resence and acknowledd (invention) herein al			nment of
Witness	Axec Ive Pilcher	Date Jan.22,1	998	
Witness Tames Carda	rberger Monique Jaanna	Date	1998	

	Signed at <u>Antwerp</u>	this <u>22nd</u>
	day of <u>January</u> , 1998.	
	Daniel	A.C. Verly
	Signed in our presence and acknowled the application (invention) herein a	dged to be an assignment of above referred to.
;== <u>;</u>	Witness Girbert Affors Françoise Van Componho	Date <u>Jan.22,1998</u>
The transmission of the first	Witness Kren Ambroise Godelieve De Muly	DateJan.22,1998
	Signed at <u>Antwerp</u> , 1998.	this <u>22nd</u>
The Real Action was sure	Gilber Gilber	t Affers Française Ven Cempenhout
<u> </u>	Signed in our presence and acknowled the application (invention) herein a	ged to be an assignment of bove referred to.
	Witness _ [mwindl Frank Borowik	Date Jan.22,1998
	Witness Kristof Sudo Manel Moesen	DateJan.22,1998

	signed at Raleigh N.C. day of November, 1997.	this 4th
	day of November, 1997.	t
	· //	1. D. OH R. O
	₩.C	chard H. Bailey
	Signed in our presence and acknow the application (invention) herei	rledged to be an assignment of n above referred to.
1 2007	Witness My Sille	19 Date NOV, 1, 199
	Witness Rikel M. Jame	Date 100. 4, 1997
	Signed at Antwerp	this22nd
	Signed at <u>Antwerp</u> day of <u>January</u> , 1998.	this22nd
	day of <u>January</u> , 1998.	
	day of <u>January</u> , 1998.	this 22nd
	day of <u>January</u> , 1998.	pert N.L. Peschi
	day of	ert N.L. Peschi eledged to be an assignment of n above referred to.
	day of <u>January</u> , 1998. Rob Signed in our presence and acknow	ert N.L. Peschi eledged to be an assignment of n above referred to.

Signed atAntwerp	this 22nd
day ofJanuary, 1998.	
· Jack 11 May	1 Aken
Dirk M.J. Van	n Aken
Signed in our presence and acknowledged to	be an assignment of
the application (invention) herein above re	eferred to.
N. I. A.	1. 00 1000
Witness Jone anne Marie Vande mar pate	Jan. 22, 1998
SC TO	
Witness Gisel Angue Therene Charmon Date	lan 22 1000
Williess Gisell have theren Date	Jd11.22, 1990
N	
Signed atAntwerp	this _22nd
Signed at Antwerp day of January , 1998.	this22nd
day of <u>January</u> , 1998.	
day of <u>January</u> , 1998.	
day of <u>January</u> , 1998.	this 22nd
day of <u>January</u> , 1998. Emmanuel F. B	orowski
day of, 1998. Emmanuel F. B Signed in our presence and acknowledged to	be an assignment of
day of <u>January</u> , 1998. Emmanuel F. B	be an assignment of
day of, 1998. Emmanuel F. B Signed in our presence and acknowledged to	be an assignment of
day of	Borowski be an assignment of ferred to.
day of, 1998. Emmanuel F. B Signed in our presence and acknowledged to	Borowski be an assignment of ferred to.
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day of	be an assignment of ferred to. Jan.22,1998
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Signed atAntwerp	_ this _	22nd
Signed at Antwerp day of Antwerp , 1998.		
Peter P.F. Reusens	Reuse	ns
Peter P.F. Reusens		
Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.		
Witness Hermanher Kosolia Verbrelien Date	Jan.22,199	8
Witness Frank Ryckeleusch Date	Jan.22,199	8
Signed atAntwerp	this	22nd
day of Antwerp , 1998.	_	
Herman L.R. Verbue	ken	oveler in
Signed in our presence and acknowledged to be an the application (invention) herein above referre	assignmed to.	ent of
Witness Peter Paul Trans Reusens Date	Jan.22,19	98
Witness fam Anna Garan. ele Col Date	Jan.22,19	98

	Signed atAntwerp	this _	22nd
	day of, 199 ₈ .		
		Ry chetrus c	h
	Frank Rycke	busch	
	Signed in our presence and acknowledged the application (invention) herein above		ent of
	Witness Teles Paul Frans Reusens Date	Jan.22,1998	
n 4mH last Red	Witness Heinen her Rosslin Vinbalie Date	Jan.22,1998	
	Signed at Antworp	#11. i	224
===	Signed at, 199 ₈ .	this _	22na
	Koen A.G. I	De Wulf	k aug
ali:	Signed in our presence and acknowledged the application (invention) herein above		nent of
	Witness Town of Reas passes were Date	aJan.22,1998	
	Witness Extent Affors Françoix Van Date	² ——Jan.22,1998——	

ļ.

Richard M. CZERWIEC Joseph E. SUTHERLAND Peter M. L. SCHEPERS Geert A.E. VAN WONTERGHEM Marlin V. SIMMERING Eduard C.M.BOEYKENS Chris VAN DER AUWERA Peter A.R. VAN ROMPU Kurt PYNAERT Daniel A.C. VERLY Gilbert A.F. VAN CAMPENHOUT Richard H. BAILEY Robert N.L. PESCHI Dirk M.J. VAN AKEN Emmanuel F. BOROWSKI Peter P.F. REUSENS Herman L.R. VERBUEKEN Frank RYCKEBUSCH ©Koen A.G. DE WULF W

Address this set of forms in its entirety to the Center for Company formalities (CCF); the forms are indissociable except in particular cases provided for by decree n° 81-257 of 18 March 1981 (refer to the Center for Company Formalities)

M2 CERFA form No 90-0195
Date declaration submitted to the CCF:

DECLARATION OF A MODIFICATION

- of the UNDERTAKING: IDENTIFICATION X CHARACTERISTICS _ DIRECTORS _ CHANGE OF REGISTERED OFFICE _ WINDING UP _
- of the ESTABLISHMENT: OPENING IDENTIFICATION (including TRANSFER) DIRECTORS ACTIVITIES CLOSURE
- other modifications (to be specified, where applicable): MODIFICATION OF THE CAPITAL AND OF THE COMPANY NAME Decree n° 81-257 of 18 March 1981 as amended creating the Center for Company Formalities ————
MAIN REGISTRATION NUMBER(S)
RCS: PARIS 542 019 096 Trade and companies register: RM: 20 k Bis in all. Register of professions:
BODIES CORPORATE Box reserved for use by the CCF (illegible) M GUIDABEFHJKT Company documents adjoined: Insertions adjoined:
WHATEVER THE FORMALITY CONCERNED, ITEMS ON A RED BACKGROUND MUST BE FILLED IN, AND IF THE MODIFICATION RELATES TO AN ESTABLISHMENT ITEMS ON A BLACK BACKGROUND MUST ALSO BE FILLED IN.
(1) IDENTIFICATION/Where applicable NEW IDENTIFICATION on 1 Sept 1998
Name: ALCATEL Registered Office (or in case of transfer, new registered office) ADDRESS and where appropriate, the identity of the paying agen (surname, forenames, or company name): 54, rue La Boétie, 75008 PARIS SIRET N°: 542 019 096 00016
(1bis) OLD IDENTIFICATION if changed
Name: ALCATEL ALSTHOM COMPAGNIE GENERALE Initials: D'ELECTRICITE

(2)
Legal Form: SOCIETE ANONYME (a form of joint stock company)
Main activities of the undertaking: Holding company.

Date Modified:

Number of employees of the business on the day of the formality:

(3)

COMMERCIAL NAME:

CAPITAL: 7 947 249 840 francs or foreign currency.

if the company has variable capital,

minimum capital:

francs or foreign currency:

Date Modified: 7 September 1998

Duration of the Body Corporate: years;

for a company required to publish annual accounts, END OF COMPANY FINANCIAL YEAR:

DIRECTORS, AUDITORS AND CONTROLLERS of a body corporate and PARTNERS fully and jointly responsible for company debts, MEMBERS of the GIE, LIQUIDATORS. Where applicable for the establishment described above, Person(s) having the power to engage the company by their signature (AUTHORIZED REPRESENTATIVES), INDIVIDUAL PROPRIETORS OF THE FUNDS

Surname:

Mr[.] TCHURUK

Born:

Forenames:

Serge

Department:

or Company Name:

Chainman

At:

Position: Chairman

of the

Nationality:

or the

Board of Directors

Change?

Unchanged

Date of Modification:

Address:

Surname:

Born:

Forenames:

Department:

or Company Name:

At:

Position:

Nationality:

Change?

Date of Modification:

Address:

Surname:

Born:

Forenames:

Department:

or Company Name:

At:

Position:

Nationality:

Change?

Date of Modification:

Address:

Is this list continued on a separate sheet? Yes [] No []

Stamp of the Paris Trade Court Filing No. 49827 18 September 1998 49824

(5) In the event of WINDING UP: is the company continuing to operate for the purpose of liquidation? YES NO In the DIRECTORS box, specify the references of liquidator(s). Give the title and the date of the legal announcement journal in which the nomination of the liquidators is/are published:
(6) In the event of the REGISTERED OFFICE being TRANSFERRED to the jurisdiction of "another" Trade Court, specify the REGISTRARS with whom any secondary registrations have been made:
Is this list continued on a separate sheet? Yes [] No []
(7) In the event of a MODIFICATION of CAPITAL due to a MERGER or to a SPLIT , specify the bodies corporate that participated in the operation (Names, legal form, registered office, RCS N°): Is this list continued on a separate sheet? Yes [] No []
(8)
(8bis)
IF THIS FORMALITY CONCERNS AN ESTABLISHMENT, THEN ITEMS ON A BLACK BACKGROUND MUST BE FILLED-IN
(9) ESTABLISHMENT CONCERNED/ and where applicable, NEW IDENTIFICATION on: ADDRESS: - if different from address of registered office (or of MAIN ESTABLISHMENT if the same as registered office), or new address in the event of a transfer:
SIRET No.
(9bis) OLD ESTABLISHMENT in the event of a transfer: OLD ADDRESS if changed by decision of the local Council: ADDRESS:
in the event of a TRANSFER of the REGISTERED OFFICE or of an ESTABLISHMENT, SIRET No.: If there are no longer any employees, date: Is activity being maintained at the old registered office? Yes [] No [] Stamp of the Paris Trade Court

(10) So far as the enterprise is concerned, this establishment is:				
_ new				
main establishment secondary establishment TRADING STYLE (where applicable):				
ANALYSIS OF THE MODIFICATION THAT HAS TAKEN PLACE				
(11) In the event of an establishment being OPENED, of a MODIFICATION IN ITS MODE OF WORKING, or of ADDITIONAL ACTIVITY, state: date: and ORIGIN:				
creation purchase take over after leasing the business Identity of PREVIOUS OPERATOR: (surname, forenames, or company name) transfer of activity investment taking on a business lease other (specify).				
RCS or SIREN No.: Where applicable, date on which the Trade Register (RCS) entry of previous operator was deleted or modified: (may be filled-in by the Registrar)				
In the event of PROPERTY being ACQUIRED (By PURCHASE or by INVESTMENT) state the title and the date of the legal announcement journal in which the assignment was published: In the event of a BUSINESS LEASE BEING TAKEN ON, state duration of the contract: from to and whether it is renewable tacitly: yes no Identity of LESSOR of PROPERTY: surname, forenames, address or company name, registered office				
(12) In the event of an establishment being CLOSED, of a MODIFICATION IN ITS MODE OF WORKING, or of ACTIVITY CEASING, state: date:				
and DESTINATION:				
disappearance transfer of activity investment leased as a business				
Identity of BENEFICIARY: surname, forenames, address or company name, registered office:				

(13) ACTIVITIES CARRIED OUT in said establishment on the date of this formality: (to be filled-in only if the establishment is new or if its activities have been modified). permanent
(14) MAIN ACTIVITY:
SECONDARY ACTIVITIES:
(15)
(16)
(17) Any observations by the declarer, or any other modification(s): date of the modification: Capital increased to the sum of 7 167 058 840 frs (27 August 1998) then to the sum of 7 947 249 840 (7 September 1998) - deletion of the company name.
(18) PERMANENT ADDRESS (for correspondence):
54 rue La Boétie, 75008 PARIS
Tel No:
(19) THE UNDERSIGNED: (family name, customary name, forenames, and if a representative, also specify status and address): LA LOI () 60, Quai des orfèvres, 75001 PARIS - MC/N904.685
requests that this document shall constitute a request
for an ENTRY in the:
or for a CANCELLATION in the: RCS , RM , RSAC , REBA ,
and a declaration to the Tax Authorities, to the Social Security Bodies, to the Statistical Institute and, if ceasing to be ar employer, to the Work Inspectorate and to the Unemployment Authorities.
Done at: on: 14 September 1998 Signature: (signature)

This side for use by the Court Registrar only.

Registrar of the court at:

Registrar code:

Reference number:

RCS Register number:

Name: Initials:

COMPANIES AND TRADE REGISTER

— BODY CORPORATE ————

Registration: Primary

[] Inscription: Addition []

Secondary []

Modified [X]

Correction: []
Deletion: []

Date of arrival at Registrar's office: Serial number in Registrar's office:

NOTES

The Registrar and The National Institute for Industrial Property are the only parties authorized to deliver copies or extracts of the information which appears in the Companies and Trade Register, or of the Deeds which are filed in conjunction therewith, except struck of registrations which are communicated in the conditions set by the decree (of 24 September 1984) according to article 88 (decree n° 84-406 of 30 May 1984, Art 67).

Documentary Proofs:

Regulated activities: (Proof n° 24)

Date statutes filed:

Remarks by the Registrar:

The undersigned Registrar has verified that the accompanying declarations are in conformity with the proofs provided in application of the Rules, and has consequently proceeded with the above-indicated inscription:

Inscription dated:

Certified by the Registrar:

Stamp of the Paris Trade Court dated 18 September 1998

Box reserved for the National Companies and Trade Register

This side reserved i	or use by the Chamber of Professions.
Management No. Entry No. in RM NAME	SIREN No.
REGIS	TER OF PROFESSIONS
[_] Request for Entr	cy s collaborator (Not bodies corporate)
[_] Declaration of a	a modification
[_] Request to be de [_] Request for ment	eleted tion of spouse to be deleted (Not bodies corporate)
INITIATION COURSE OF (Article 2 of the La Attestation issued of Exemption - Reason to	aw of 23 December 1982) on:
Documentary evidence	e:
	on provided: esident's decision:
PROFESSIONS (Article Date of transmission Date of Notification Payment of subscrip	tion (in FF) Cheque [] Postal Cheque

DATE OF ENTRY: The President of the Chamber of Professions:

Box reserved for the National Companies and Trade Register

Practitioner's Docket No.	PATENT
IN THE UNITED STATES	PATENT AND TRADEMARK OFFICE
In re application of: Application No.: 0 / Filed: For:	Group No.: Examiner
Assistant Commissioner for Patents Washington, D.C. 20231	
-	CCURACY OF TRANSLATION §§ 1.52(d), 1.55(a), 1.69)
I, the below named translator, hereb	by state:
My name and post office addre	
That I am knowledgeable in the	English language and in the language of the
☐ attached document	
and I believe the attached English trandocument.	islation to be a true and complete translation of this
(identify attached	for previously filed document)
The document for which the attached	English translation is being submitted is
Declaration of a Modification	
from Alcatel Alsthom Compagn	ie Generale d'Electricite to ALCATEL
as filed in Paris Trade Cour	et on 18 September 1998, Filing No. 49827.
Full name of the translator Signature of the translator	New Scott Marland Marland

Post Office Address _

A.S. Marland
35, av. Chevreul
92270 BOIS COLOMBES

France

(A)

- For NEW or MAINTAINED, in the event of transfer of registered office to another registrar or another chamber of professions, state.

INDIVIDUALS (except liquidators): Date and place of birth, nationality and if director or partner is foreign: state references of residence permit or trading permit; for married partners, state date and place of marriage, type of marriage contract and any clauses applicable to third parties; for each member of the GIE, give the RCS and/or RM n°, and if they have married, name of spouse, date and place of marriage, type of marriage contract and any clauses applicable to third parties. In the case of a MANAGER and/or major partners of SARL, SCN or SCS in particular, attach a TNS document.

BODY CORPORATE: State legal name and forenames of the permanent secretary: For each member of the GIE give RCS and/or RM N° .

- For LEAVING: For a MANAGER or a major partner of SARL, SNC or SCS, state their date of birth.

<u>List of Inventors</u>

Richard M. Czerwiec
Joseph E. Sutherland
Peter M. L. Schepers
Geert A. E. Van Wonterghem
Eduard C. M. Boeykens
Chris Van Der Auwera
Peter A. R. Van Rompu
Kurt Pynaert
Daniel A. C. Verly
Gilbert A. F. Van Campenhout
Richard H. Bailey
Marlin V. Simmering